

What is claimed is:

1. (original) A method for operating an internal combustion engine with oil lubrication and electronic fuel injection,
wherein,
a flow of fuel mass (mfp_ausg) evaporating out of the oil is determined and taken into account in a determination of a setpoint injected-fuel quantity (rk_ev).

2. (original) The method as recited in Claim 1,
wherein,
based on the flow of fuel mass evaporating out of the oil (mfp_ausg), a flow of fuel mass (mfp_saugr) flowing into the intake manifold is determined and taken into account in the determination of a setpoint injected-fuel quantity (rk_ev).

3. (currently amended) The method as recited in Claim 1 or 2,
wherein,
during operation of the internal combustion engine, a flow of fuel mass (mfp_i_oel) entering the engine oil is determined and, to determine this flow of fuel mass (mfp_i_oel), at least one of the following influencing variables is taken into account:

- Enrichment factors during start, a post-start phase, and/or warm-up (fst_w, fnst_w, fwl_w) of an internal combustion engine
- Engine temperature (tmot) and/or oil temperature (toel)
- Engine speed (nmot)
- Load value (rl)
- A component temperature in the intake port
- Temperature in the combustion chamber
- Fuel type (KS)
- An assigned lambda setpoint value (LS)

4. (currently amended) The method as recited in ~~at least one of the preceding Claims~~ Claim 1,

wherein,

at least one of the following influencing variables is taken into account in the determination of the flow of fuel mass (mfp_ausg) evaporating out of the engine oil:

- Oil temperature (toel)
- Oil temperature gradient over time
- Fuel mass in the oil (mk_i_oel)
- Fuel type (KS)
- Pressure in the crankcase (pk)

5. (currently amended) The method as recited in ~~at least one of the preceding Claims~~ Claim 1,

wherein,

at least one of the following influencing variables is taken into account in the determination of the flow of fuel mass (mfp_ausg) entering the intake manifold:

- Pressure in the crankcase (pk)
- Pressure in the intake manifold (ps)
- Pressure upstream of a throttle valve (pu)
- Position of a crankcase ventilation valve (SKEV)
- Temperature of the engine oil (toel)
- Concentration of the fuel gases in the crankcase due to blow-by gases

6. (currently amended) The method as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

a fuel mass (mk_i_ocl) contained in the engine oil is determined by taking into account the flow of fuel mass (mkp_i_oel, mfp_ausg) entering the engine oil and evaporating out of the engine oil.

7. (currently amended) The method as recited in ~~one of the preceding Claims~~ Claim 1,

wherein,

the flow of fuel mass (mfp_saugr) flowing into the intake manifold or the flow of fuel mass (mfp_ausg) during evaporation is converted as a function of the engine speed into an equivalent injected-fuel quantity and is subtracted from an uncorrected setpoint injected-fuel quantity, the result being the corrected setpoint injected-fuel quantity rk_ev.

8. (currently amended) The method as recited in ~~one of the preceding Claims~~ Claim 1,

wherein,

if a second fuel type is also injected, a fuel mass in the oil is calculated for the fuel type that was also injected.

9. (currently amended) A control unit for an internal combustion engine, wherein

it is programmed for use in a method as recited in ~~one of the Claims 1 through 8~~ Claim 1.